

Language Function Worksheet: SMP 1 and Mannie the Show Dog

Analytical Tasks	
Aspect of Function	Opportunities for Teacher Moves to encourage this Student Behavior
<ul style="list-style-type: none"> • Explain to self a problem's meaning, look for entry points to solution, & plan solution pathway 	
<ul style="list-style-type: none"> • Analyze givens, constraints, relationships, & goals 	
<ul style="list-style-type: none"> • Make conjectures about form & meaning of solution 	
<ul style="list-style-type: none"> • Consider analogous problems 	
<ul style="list-style-type: none"> • Monitor effectiveness of current selected solution strategy & decide when to pursue a different solution strategy 	
<ul style="list-style-type: none"> • Check answers using different methods 	
<ul style="list-style-type: none"> • Understand others' approaches to solving complex problems & identify correspondences between them 	
<ul style="list-style-type: none"> • Create coherent representation of problems, considering units 	
<ul style="list-style-type: none"> • Monitor use of resources such as time & effectiveness of current selected solution strategy 	
<ul style="list-style-type: none"> • Monitor & evaluate reasonableness of intermediate & final results 	

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Receptive Language Functions Tasks	
Aspect of Function	Opportunities for Teacher Moves to encourage this Student Behavior
<ul style="list-style-type: none"> Comprehend the meaning of a problem as presented in multiple representations, such as spoken language, written texts, diagrams, drawings, tables, graphs, & mathematical expressions or equations 	
<ul style="list-style-type: none"> Comprehend others' talk about math problems, solutions, approaches, & reasoning 	
<ul style="list-style-type: none"> Coordinate texts & multiple representations 	
Productive Language Functions	
Aspect of Function	Opportunities for Teacher Moves to encourage this Student Behavior
Communicate (orally, in writing, & thru other reps.) about concepts, procedures, strategies, claims, arguments, & other info related to problem solving:	
<ul style="list-style-type: none"> Create, label, describe, & use in presenting solutions to a math problem multiple written representations of a problem 	
<ul style="list-style-type: none"> Explain in words orally or in writing relationships between quantities & multiple representations of problem solutions 	
<ul style="list-style-type: none"> Present information, description of solutions, explanations, & arguments to others 	
<ul style="list-style-type: none"> Respond to questions or critiques from others 	
<ul style="list-style-type: none"> Ask questions about others' solutions, strategies, & procedures for solving problems 	